AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the

application:

LISTING OF CLAIMS:

1. (currently amended): An absorption chiller-heater comprising:

a first regenerator heated by ~~an~~ exhaust heat;

a heat fluid flow path in which a heat fluid ~~having~~ heated by the exhaust heat flows,

supplying the exhaust heat to said first regenerator;

a flow path ~~open/close~~ control device provided on said heat fluid flow path for opening

and closing the heat fluid flow path, thereby switching the heat fluid to flow or to be cut off to

said first regenerator;

a second regenerator heated by ~~a~~ combustion heat;

a burner having a variable combustion amount, supplying the combustion heat to said

second regenerator;

a first temperature detector for detecting a temperature of said first regenerator or said

second regenerator;

a cooling medium temperature detector for detecting a temperature of a cooling medium

supplied to an absorber, wherein said controller changes values of the regenerator set

temperatures in accordance with the temperature of the cooling medium detected by said cooling

medium temperature detector;

a heat medium temperature detector for detecting a temperature of a heat medium output

from an evaporator; and

a controller for controlling ~~to operate~~operation of said flow path ~~open/close~~control device and said burner;

wherein said controller sets the temperature detected by said first regenerator temperature detector to be a regenerator temperature, and

said controller controls at least one of operations to open and close said flow path ~~open/close~~control device and to increase and reduce the combustion amount of said burner in accordance with the temperature of the heat medium detected by said heat medium temperature detector and the regenerator temperature.

2. (currently amended): The absorption chiller-heater according to Claim 1, wherein said first regenerator temperature detector detects a temperature of said first regenerator and a second regenerator temperature detector detects a temperature of said second regenerator,

said controller sets a higher one of either temperatures of said first and second regenerators to be the regenerator temperature, and

said controller controls at least one of operations to open and close said flow path ~~open/close~~control device and to increase and reduce the combustion amount of said burner in accordance with the temperature of the heat medium detected by said heat medium temperature detector and the regenerator temperature.

3. (currently amended): The absorption chiller-heater according to Claim 1, wherein the combustion amount of said burner is variable in steps by a plurality of stages,

said controller determines to open or close said flow path ~~open/close~~<u>control</u> device and

the combustion amount of said burner based on a plurality of heat medium set temperatures and

the temperature of the heat medium and,

said controller subsequently increases and reduces in steps the combustion amount of said

burner based on a plurality of regenerator set temperatures and the regenerator temperature,

whereby a heat input amount to the second regenerator is increased and reduced.

4. (currently amended): The absorption chiller-heater according to Claim 1, wherein the

combustion amount of said burner is continuously variable, and

said controller determines to open and close said flow path ~~open/close~~<u>control</u> device and

stop to combust or combust said burner based on a plurality of heat medium set temperatures and

the temperature of the heat medium, wherein when said burner is combusted, said controller

subsequently determines in steps a maximum combustion limit based on a plurality of

regenerator set temperature and the regenerator temperature, the maximum combustion limit

setting a range of the combustion amount in which the combustion amount is varied in a

proportional manner with the temperature of the heat medium, whereby a heat input to said

second regenerator is increased and reduced.

5-6. (canceled).